

10/690,527

agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 20:48:46 ON 19 APR 2006

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 20:49:31 ON 19 APR 2006

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PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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STRUCTURE FILE UPDATES: 18 APR 2006 HIGHEST RN 881002-15-9

DICTIONARY FILE UPDATES: 18 APR 2006 HIGHEST RN 881002-15-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*

Structure search iteration limits have been increased. See HELP SLIMITS for details.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=>

Uploading C:\Documents and Settings\rkeys\My Documents\STNEXP4\TEMPLATE\STANDARD\10690527.str

10/690,527

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1204rxw

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

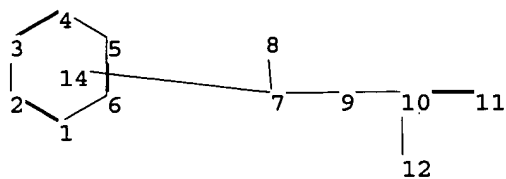
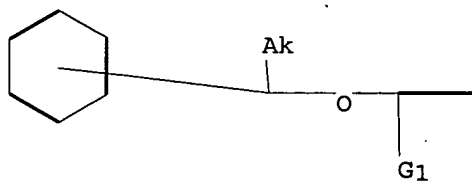
* * * * * Welcome to STN International * * * * *

NEWS	1	Web Page URLs for STN Seminar Schedule - N. America
NEWS	2	"Ask CAS" for self-help around the clock
NEWS	3 DEC 23	New IPC8 SEARCH, DISPLAY, and SELECT fields in USPATFULL/ USPAT2
NEWS	4 JAN 13	IPC 8 searching in IFIPAT, IFIUDB, and IFICDB
NEWS	5 JAN 13	New IPC 8 SEARCH, DISPLAY, and SELECT enhancements added to INPADOC
NEWS	6 JAN 17	Pre-1988 INPI data added to MARPAT
NEWS	7 JAN 17	IPC 8 in the WPI family of databases including WPIFV
NEWS	8 JAN 30	Saved answer limit increased
NEWS	9 FEB 21	STN AnaVist, Version 1.1, lets you share your STN AnaVist visualization results
NEWS	10 FEB 22	The IPC thesaurus added to additional patent databases on STN
NEWS	11 FEB 22	Updates in EPFULL; IPC 8 enhancements added
NEWS	12 FEB 27	New STN AnaVist pricing effective March 1, 2006
NEWS	13 FEB 28	MEDLINE/LMEDLINE reload improves functionality
NEWS	14 FEB 28	TOXCENTER reloaded with enhancements
NEWS	15 FEB 28	REGISTRY/ZREGISTRY enhanced with more experimental spectral property data
NEWS	16 MAR 01	INSPEC reloaded and enhanced
NEWS	17 MAR 03	Updates in PATDPA; addition of IPC 8 data without attributes
NEWS	18 MAR 08	X.25 communication option no longer available after June 2006
NEWS	19 MAR 22	EMBASE is now updated on a daily basis
NEWS	20 APR 03	New IPC 8 fields and IPC thesaurus added to PATDPAFULL
NEWS	21 APR 03	Bibliographic data updates resume; new IPC 8 fields and IPC thesaurus added in PCTFULL
NEWS	22 APR 04	STN AnaVist \$500 visualization usage credit offered
NEWS	23 APR 12	LINSPEC, learning database for INSPEC, reloaded and enhanced
NEWS	24 APR 12	Improved structure highlighting in FQHIT and QHIT display in MARPAT
NEWS	25 APR 12	Derwent World Patents Index to be reloaded and enhanced during second quarter; strategies may be affected
NEWS EXPRESS	FEBRUARY 15	CURRENT VERSION FOR WINDOWS IS V8.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005. V8.0 AND V8.01 USERS CAN OBTAIN THE UPGRADE TO V8.01a AT http://download.cas.org/express/v8.0-Discover/
NEWS HOURS	STN Operating Hours	Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items	
NEWS IPC8	For general information regarding STN implementation of IPC 8	

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer

10/690,527



chain nodes :

7 8 9 10 11 12

ring nodes :

1 2 3 4 5 6

chain bonds :

7-8 7-9 9-10 10-11 10-12

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6

exact/norm bonds :

7-8 7-9 9-10 10-12

exact bonds :

10-11

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6

isolated ring systems :

containing 1 :

G1:H,Ak

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 12:CLASS 14:CLASS

L1 STRUCTURE UPLOADED

=> que L1

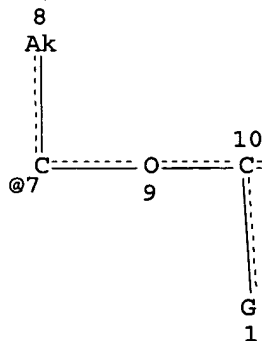
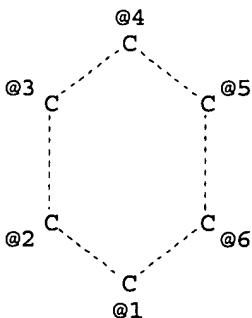
L2 QUE L1

=> d

L2 HAS NO ANSWERS

L1 STR

H 13 Ak 14



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Page 1-A

====C
11
1
2

Page 1-B

VAR G1=13/14

VPA 7-1/2/3/4/5/6 S

NODE ATTRIBUTES:

NSPEC	IS R	AT	1
NSPEC	IS R	AT	2
NSPEC	IS R	AT	3
NSPEC	IS R	AT	4
NSPEC	IS R	AT	5
NSPEC	IS R	AT	6
NSPEC	IS C	AT	7
NSPEC	IS C	AT	8
NSPEC	IS C	AT	9
NSPEC	IS C	AT	10
NSPEC	IS C	AT	11
NSPEC	IS C	AT	12

DEFAULT MLEVEL IS ATOM

MLEVEL IS CLASS AT 7 8 9 10 11 13 14

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RSPEC I

NUMBER OF NODES IS 14

STEREO ATTRIBUTES: NONE

L2 QUE L1

=> s 12

SAMPLE SEARCH INITIATED 20:49:58 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 64846 TO ITERATE

3.1% PROCESSED 2000 ITERATIONS

0 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 1281757 TO 1312083

PROJECTED ANSWERS: 0 TO 0

L3 0 SEA SSS SAM L1

=> file stnguide

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.88

1.09

FILE 'STNGUIDE' ENTERED AT 20:50:50 ON 19 APR 2006

USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT

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AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

10/690,527

FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Apr 14, 2006 (20060414/UP).

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.18	1.27

FILE 'REGISTRY' ENTERED AT 20:52:48 ON 19 APR 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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STRUCTURE FILE UPDATES: 18 APR 2006 HIGHEST RN 881002-15-9
DICTIONARY FILE UPDATES: 18 APR 2006 HIGHEST RN 881002-15-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

*
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* available and contains the CA role and document type information. *
*

Structure search iteration limits have been increased. See HELP SLIMITS
for details.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>Testing the current file.... screen

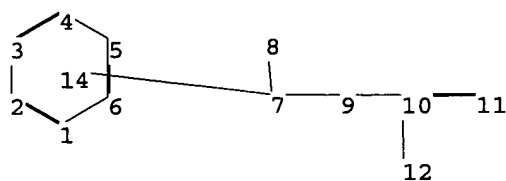
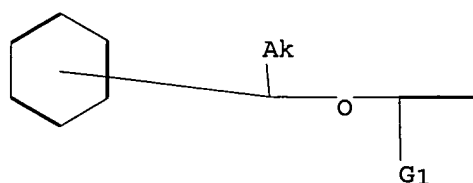
ENTER SCREEN EXPRESSION OR (END):end

=> screen 1992 OR 2016 OR 2021 OR 2026 OR 1840

L4 SCREEN CREATED

=>
Uploading C:\Documents and Settings\rkeys\My
Documents\STNEXP4\TEMPLATE\STANDARD\10690527.str

10/690,527



chain nodes :
7 8 9 10 11 12
ring nodes :
1 2 3 4 5 6
chain bonds :
7-8 7-9 9-10 10-11 10-12
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6
exact/norm bonds :
7-8 7-9 9-10 10-12
exact bonds :
10-11
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6
isolated ring systems :
containing 1 :

G1:H,Ak

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 12:CLASS 14:CLASS

L5 STRUCTURE UPLOADED

=> que L5 NOT L4

L6 QUE L5 NOT L4

=> s l6

SAMPLE SEARCH INITIATED 20:53:19 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 9684 TO ITERATE

20.7% PROCESSED 2000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

1 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 187783 TO 199577
PROJECTED ANSWERS: 1 TO 228

L7 1 SEA SSS SAM L5 NOT L4

=> s l6 ful

FULL SEARCH INITIATED 20:53:30 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 196979 TO ITERATE

100.0% PROCESSED 196979 ITERATIONS
SEARCH TIME: 00.00.04

275 ANSWERS

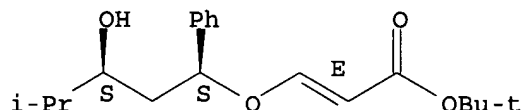
10/690,527

L8 275 SEA SSS FUL L5 NOT L4

=> d scan

L8 275 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN 2-Propenoic acid, 3-[[[(1R,3R)-3-hydroxy-4-methyl-1-phenylpentyl]oxy]-,
1,1-dimethylethyl ester, (2E)-rel- (9CI)
MF C19 H28 O4

Relative stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> file stnguide

COST IN U.S. DOLLARS

SINCE FILE

ENTRY

TOTAL

SESSION

FULL ESTIMATED COST

168.70

169.97

FILE 'STNGUIDE' ENTERED AT 20:55:38 ON 19 APR 2006
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FILE CONTAINS CURRENT INFORMATION.

LAST RELOADED: Apr 14, 2006 (20060414/UP).

=>Testing the current file.... screen

THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE

Please change to a suitable file and repeat your upload

Some commands only work in certain files. For example, the EXPAND command can only be used to look at the index in a file which has an index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of commands which can be used in this file.

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

ENTRY

TOTAL

SESSION

FULL ESTIMATED COST

0.84

170.81

FILE 'REGISTRY' ENTERED AT 21:04:15 ON 19 APR 2006
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```
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* effective March 20, 2005. A new display format, IDERL, is now    *
* available and contains the CA role and document type information. *
*
*****
```

Structure search iteration limits have been increased. See HELP SLIMITS
for details.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

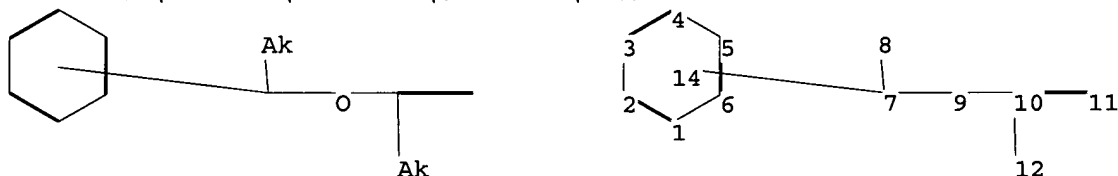
<http://www.cas.org/ONLINE/UG/regprops.html>

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=>

Uploading C:\Documents and Settings\rkeys\My
Documents\STNEXP4\TEMPLATE\STANDARD\10690527a.str



```
chain nodes :
7 8 9 10 11 12
ring nodes :
1 2 3 4 5 6
chain bonds :
7-8 7-9 9-10 10-11 10-12
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6
exact/norm bonds :
7-8 7-9 9-10 10-12
exact bonds :
10-11
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6
isolated ring systems :
containing 1 :
```

G1:H,Ak

10/690,527

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 12:CLASS 14:CLASS

L9 STRUCTURE UPLOADED

=> que L9

L10 QUE L9

=> s l10 sub=l8 full

FULL SUBSET SEARCH INITIATED 21:05:43 FILE 'REGISTRY'

FULL SUBSET SCREEN SEARCH COMPLETED - 275 TO ITERATE

100.0% PROCESSED 275 ITERATIONS

30 ANSWERS

SEARCH TIME: 00.00.01

L11 30 SEA SUB=L8 SSS FUL L9

=> d scan

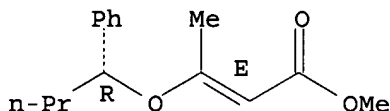
L11 30 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN 2-Butenoic acid, 3-(1-phenylbutoxy)-, methyl ester, [R-(E)]- (9CI)

MF C15 H20 O3

Absolute stereochemistry. Rotation (+).

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> file stnguide

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

41.16

211.97

FILE 'STNGUIDE' ENTERED AT 21:06:39 ON 19 APR 2006

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FILE CONTAINS CURRENT INFORMATION.

LAST RELOADED: Apr 14, 2006 (20060414/UP).

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.18

212.15

10/690,527

FILE 'REGISTRY' ENTERED AT 21:08:39 ON 19 APR 2006
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DICTIONARY FILE UPDATES: 18 APR 2006 HIGHEST RN 881002-15-9

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TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

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```
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*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added,   *
* effective March 20, 2005. A new display format, IDERL, is now    *
* available and contains the CA role and document type information. *
*
*****
```

Structure search iteration limits have been increased. See HELP SLIMITS
for details.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

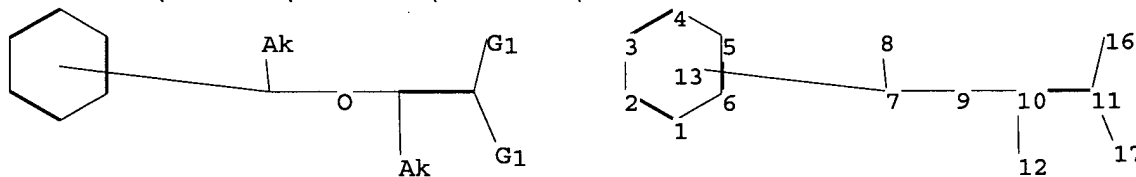
<http://www.cas.org/ONLINE/UG/regprops.html>

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=>

Uploading C:\Documents and Settings\rkeys\My
Documents\STNEXP4\TEMPLATE\STANDARD\10690527b.str



chain nodes :

7 8 9 10 11 12 16 17

ring nodes :

1 2 3 4 5 6

chain bonds :

7-8 7-9 9-10 10-11 10-12 11-16 11-17

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6

exact/norm bonds :

10/690,527

7-8 7-9 9-10 10-12 11-16 11-17

exact bonds :

10-11

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6

isolated ring systems :

containing 1 :

G1:Ak,H

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 12:CLASS 13:CLASS 16:CLASS 17:CLASS

L12 STRUCTURE UPLOADED

=> que L12

L13 QUE L12

=> d his

(FILE 'HOME' ENTERED AT 20:48:46 ON 19 APR 2006)

FILE 'REGISTRY' ENTERED AT 20:49:31 ON 19 APR 2006

L1 STRUCTURE UPLOADED

L2 QUE L1

L3 0 S L2

FILE 'STNGUIDE' ENTERED AT 20:50:50 ON 19 APR 2006

FILE 'REGISTRY' ENTERED AT 20:52:48 ON 19 APR 2006

L4 SCREEN 1992 OR 2016 OR 2021 OR 2026 OR 1840

L5 STRUCTURE UPLOADED

L6 QUE L5 NOT L4

L7 1 S L6

L8 275 S L6 FUL

FILE 'STNGUIDE' ENTERED AT 20:55:38 ON 19 APR 2006

FILE 'REGISTRY' ENTERED AT 21:04:15 ON 19 APR 2006

L9 STRUCTURE UPLOADED

L10 QUE L9

L11 30 S L10 FULL SUB=L8

FILE 'STNGUIDE' ENTERED AT 21:06:39 ON 19 APR 2006

FILE 'REGISTRY' ENTERED AT 21:08:39 ON 19 APR 2006

L12 STRUCTURE UPLOADED

L13 QUE L12

=> s l13 sub=l11 full

FULL SUBSET SEARCH INITIATED 21:11:07 FILE 'REGISTRY'

FULL SUBSET SCREEN SEARCH COMPLETED - 30 TO ITERATE

100.0% PROCESSED 30 ITERATIONS

SEARCH TIME: 00.00.01

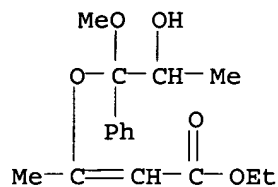
30 ANSWERS

L14 30 SEA SUB=L11 SSS FUL L12

10/690,527

=> d scan

L14 30 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN Crotonic acid, 3-[[α -(1-hydroxyethyl)- α -methoxybenzyl]oxy]-,
ethyl ester (7CI)
MF C16 H22 O5

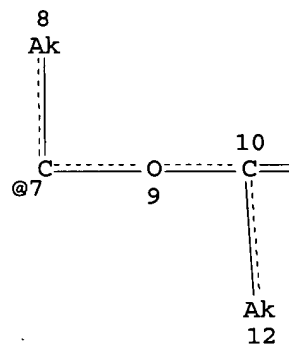
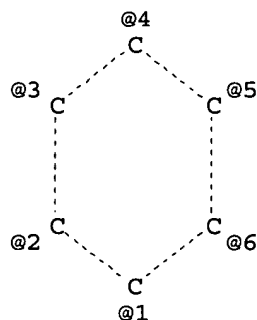


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

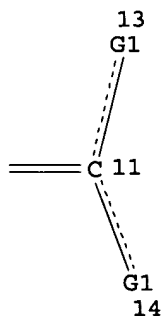
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> d 113
L13 HAS NO ANSWERS
L12 STR

Ak 15H 16



Page 1-A



Page 1-B
VAR G1=15/16
VPA 7-1/2/3/4/5/6 S

10/690,527

NODE ATTRIBUTES:

NSPEC IS R AT 1
NSPEC IS R AT 2
NSPEC IS R AT 3
NSPEC IS R AT 4
NSPEC IS R AT 5
NSPEC IS R AT 6
NSPEC IS C AT 7
NSPEC IS C AT 8
NSPEC IS C AT 9
NSPEC IS C AT 10
NSPEC IS C AT 11
NSPEC IS C AT 12
NSPEC IS C AT 13
NSPEC IS C AT 14
DEFAULT MLEVEL IS ATOM
MLEVEL IS CLASS AT 7 8 9 10 11 12 15 16
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RSPEC I
NUMBER OF NODES IS 16

STEREO ATTRIBUTES: NONE
L13 QUE L12

=> d his

(FILE 'HOME' ENTERED AT 20:48:46 ON 19 APR 2006)

FILE 'REGISTRY' ENTERED AT 20:49:31 ON 19 APR 2006

L1 STRUCTURE UPLOADED
L2 QUE L1
L3 0 S L2

FILE 'STNGUIDE' ENTERED AT 20:50:50 ON 19 APR 2006

FILE 'REGISTRY' ENTERED AT 20:52:48 ON 19 APR 2006

L4 SCREEN 1992 OR 2016 OR 2021 OR 2026 OR 1840
L5 STRUCTURE UPLOADED
L6 QUE L5 NOT L4
L7 1 S L6
L8 275 S L6 FUL

FILE 'STNGUIDE' ENTERED AT 20:55:38 ON 19 APR 2006

FILE 'REGISTRY' ENTERED AT 21:04:15 ON 19 APR 2006

L9 STRUCTURE UPLOADED
L10 QUE L9
L11 30 S L10 FULL SUB=L8

FILE 'STNGUIDE' ENTERED AT 21:06:39 ON 19 APR 2006

FILE 'REGISTRY' ENTERED AT 21:08:39 ON 19 APR 2006

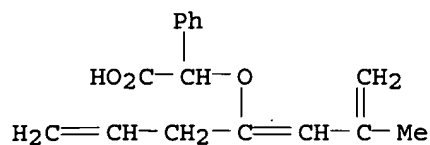
L12 STRUCTURE UPLOADED
L13 QUE L12
L14 30 S L13 FULL SUB=L11

=> d scan l14

L14 30 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN Benzeneacetic acid, α -[[3-methyl-1-(2-propenyl)-1,3-butadienyl]oxy]-

10/690,527

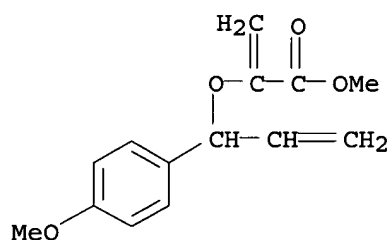
(9CI)
MF C16 H18 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):29

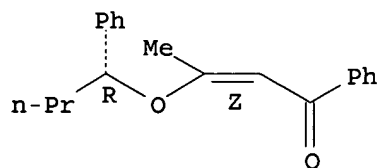
L14 30 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN 2-Propenoic acid, 2-[[1-(4-methoxyphenyl)-2-propenyl]oxy]-, methyl ester
(9CI)
MF C14 H16 O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L14 30 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN 2-Buten-1-one, 1-phenyl-3-(1-phenylbutoxy)-, [R-(Z)]- (9CI)
MF C20 H22 O2

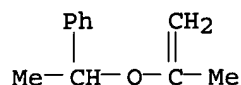
Absolute stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L14 30 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN Benzene, [1-[(1-methylethenyl)oxy]ethyl]- (9CI)
MF C11 H14 O

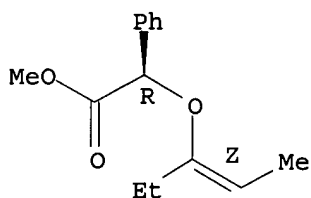
10/690,527



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L14 30 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN Benzeneacetic acid, α-[[1Z)-1-ethyl-1-propenyl]oxy]-, methyl ester,
(αR) - (9CI)
MF C14 H18 O3

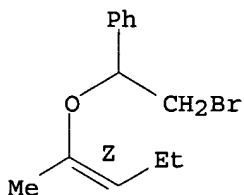
Absolute stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L14 30 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN Benzene, [2-bromo-1-[(1-methyl-1-butenyl)oxy]ethyl]-, (Z) - (9CI)
MF C13 H17 Br O

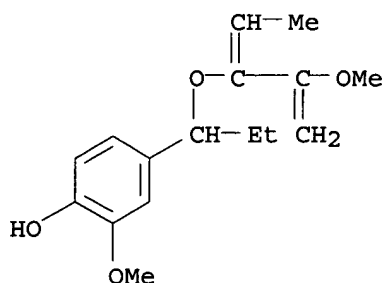
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L14 30 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN Phenol, 2-methoxy-4-[1-[[1-(1-methoxyethenyl)-1-propenyl]oxy]propyl]-
(9CI)
MF C16 H22 O4

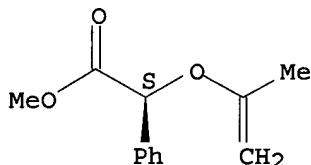
10/690,527



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

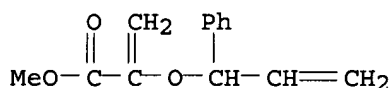
L14 30 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN Benzeneacetic acid, α -[(1-methylethenyl)oxy]-, methyl ester, (S)-
(9CI)
MF C12 H14 O3

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

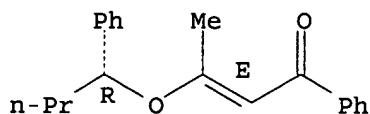
L14 30 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN 2-Propenoic acid, 2-[(1-phenyl-2-propenyl)oxy]-, methyl ester (9CI)
MF C13 H14 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L14 30 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN 2-Buten-1-one, 1-phenyl-3-(1-phenylbutoxy)-, [R-(E)]- (9CI)
MF C20 H22 O2

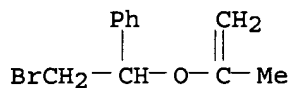
Absolute stereochemistry. Rotation (+).
Double bond geometry as shown.



10/690,527

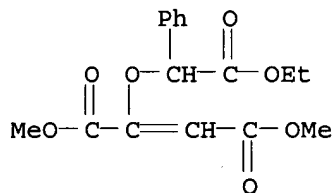
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L14 30 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN Benzene, [2-bromo-1-[(1-methylethenyl)oxy]ethyl]- (9CI)
MF C11 H13 Br O



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

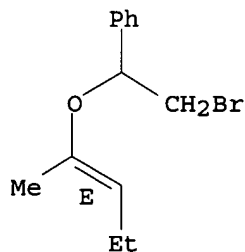
L14 30 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN 2-Butenedioic acid, 2-(2-ethoxy-2-oxo-1-phenylethoxy)-, dimethyl ester
(9CI)
MF C16 H18 O7



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L14 30 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN Benzene, [2-bromo-1-[(1-methyl-1-butenyl)oxy]ethyl]-, (E)- (9CI)
MF C13 H17 Br O

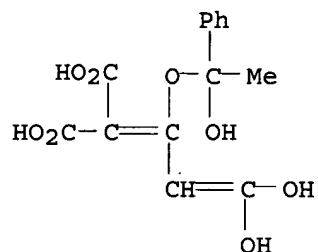
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

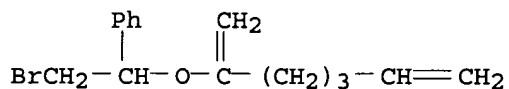
L14 30 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN Propanedioic acid, [3,3-dihydroxy-1-(1-hydroxy-1-phenylethoxy)-2-propenylidene]- (9CI)
MF C14 H14 O8
CI COM

10/690,527



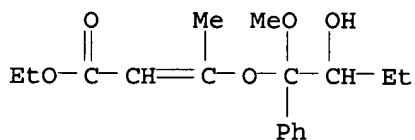
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L14 30 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN Benzene, [2-bromo-1-[(1-methylene-5-hexenyl)oxy]ethyl] - (9CI)
MF C15 H19 Br O



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L14 30 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN Crotonic acid, 3-[[α -(1-hydroxypropyl)- α -methoxybenzyl]oxy]-, ethyl ester (7CI)
MF C17 H24 O5

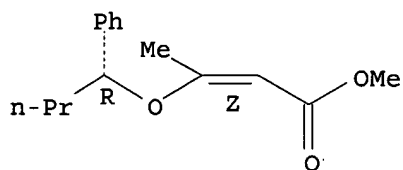


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L14 30 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN 2-Butenoic acid, 3-(1-phenylbutoxy)-, methyl ester, [R-(Z)] - (9CI)
MF C15 H20 O3

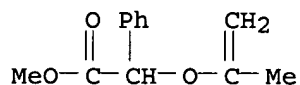
Absolute stereochemistry. Rotation (-).
Double bond geometry as shown.

10/690,527



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

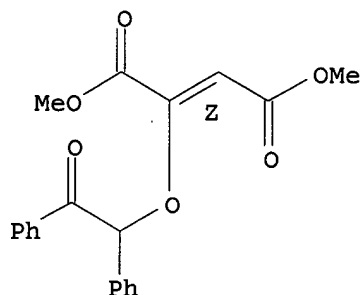
L14 30 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN Benzeneacetic acid, α -[(1-methylethenyl)oxy]-, methyl ester (9CI)
MF C12 H14 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

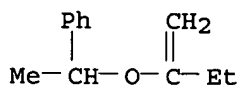
L14 30 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN 2-Butenedioic acid, 2-(2-oxo-1,2-diphenylethoxy)-, dimethyl ester, (2Z)- (9CI)
MF C20 H18 O6

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

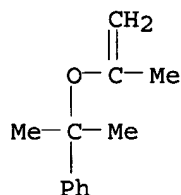
L14 30 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN Benzene, [1-(1-methylenepropoxy)ethyl]- (9CI)
MF C12 H16 O



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

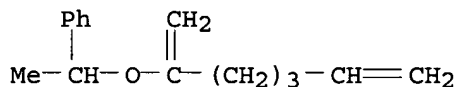
10/690,527

L14 30 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN Benzene, [1-methyl-1-[(1-methylethenyl)oxy]ethyl]- (9CI)
MF C12 H16 O



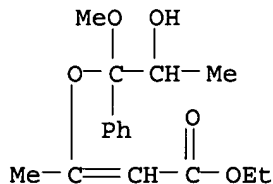
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L14 30 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN Benzene, [1-[(1-methylene-5-hexenyl)oxy]ethyl]- (9CI)
MF C15 H20 O



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L14 30 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN Crotonic acid, 3-[[α -(1-hydroxyethyl)- α -methoxybenzyl]oxy]-, ethyl ester (7CI)
MF C16 H22 O5

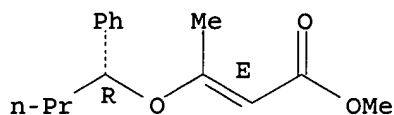


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L14 30 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN 2-Butenoic acid, 3-(1-phenylbutoxy)-, methyl ester, [R-(E)]- (9CI)
MF C15 H20 O3

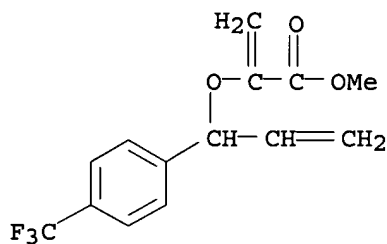
Absolute stereochemistry. Rotation (+).
Double bond geometry as shown.

10/690,527



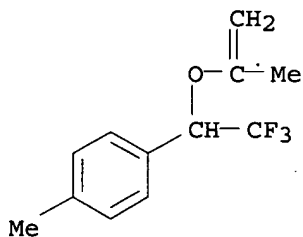
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L14 30 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN 2-Propenoic acid, 2-[[1-[4-(trifluoromethyl)phenyl]-2-propenyl]oxy]-,
methyl ester (9CI)
MF C14 H13 F3 O3



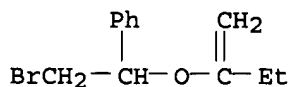
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L14 30 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN Benzene, 1-methyl-4-[2,2,2-trifluoro-1-[(1-methylethenyl)oxy]ethyl]- (9CI)
MF C12 H13 F3 O



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L14 30 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN Benzene, [2-bromo-1-(1-methylenepropoxy)ethyl]- (9CI)
MF C12 H15 Br O

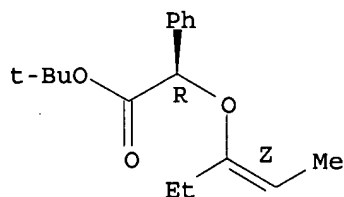


10/690,527

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

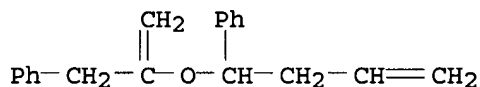
L14 30 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN Benzeneacetic acid, α -[[$(1Z)$ -1-ethyl-1-propenyl]oxy]-,
1,1-dimethylethyl ester, (αR)- (9CI)
MF C17 H24 O3

Absolute stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

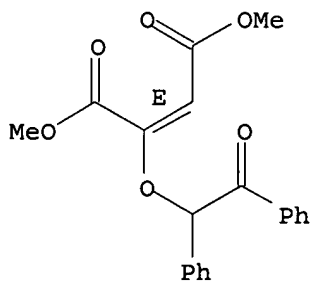
L14 30 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN Benzene, [2-[(1-phenyl-3-butenyl)oxy]-2-propenyl]- (9CI)
MF C19 H20 O



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L14 30 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN 2-Butenedioic acid, 2-(2-oxo-1,2-diphenylethoxy)-, dimethyl ester, (E)-
(9CI)
MF C20 H18 O6

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

10/690,527

ALL ANSWERS HAVE BEEN SCANNED

=> file stnguide

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

42.92

255.07

FILE 'STNGUIDE' ENTERED AT 21:13:26 ON 19 APR 2006
USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT
COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY, JAPAN SCIENCE
AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

FILE CONTAINS CURRENT INFORMATION.

LAST RELOADED: Apr 14, 2006 (20060414/UP).

=> d his

(FILE 'HOME' ENTERED AT 20:48:46 ON 19 APR 2006)

FILE 'REGISTRY' ENTERED AT 20:49:31 ON 19 APR 2006

L1 STRUCTURE UPLOADED

L2 QUE L1

L3 0 S L2

FILE 'STNGUIDE' ENTERED AT 20:50:50 ON 19 APR 2006

FILE 'REGISTRY' ENTERED AT 20:52:48 ON 19 APR 2006

L4 SCREEN 1992 OR 2016 OR 2021 OR 2026 OR 1840

L5 STRUCTURE UPLOADED

L6 QUE L5 NOT L4

L7 1 S L6

L8 275 S L6 FUL

FILE 'STNGUIDE' ENTERED AT 20:55:38 ON 19 APR 2006

FILE 'REGISTRY' ENTERED AT 21:04:15 ON 19 APR 2006

L9 STRUCTURE UPLOADED

L10 QUE L9

L11 30 S L10 FULL SUB=L8

FILE 'STNGUIDE' ENTERED AT 21:06:39 ON 19 APR 2006

FILE 'REGISTRY' ENTERED AT 21:08:39 ON 19 APR 2006

L12 STRUCTURE UPLOADED

L13 QUE L12

L14 30 S L13 FULL SUB=L11

FILE 'STNGUIDE' ENTERED AT 21:13:26 ON 19 APR 2006

=> s l14 and (c11h14o or c13h17bro or c11h13bro or c12h16o or c12h13f3o or c12h15bro)

COMBINATION OF STRUCTURE AND TEXT TERMS NOT VALID

The query entered contains both search terms created by
structure-building or screen commands and text search terms. L#s
created via the STRUCTURE or SCREEN commands must be searched in the
structures files separately from text terms or profiles. The L#
answer sets from structure searches can be used in crossover searches
and can be combined with text terms.

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

10/690,527

FULL ESTIMATED COST

1.56

256.63

FILE 'CAPLUS' ENTERED AT 21:28:55 ON 19 APR 2006

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PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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FILE COVERS 1907 - 19 Apr 2006 VOL 144 ISS 17

FILE LAST UPDATED: 18 Apr 2006 (20060418/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s l14 and (c11h14o or c13h17bro or c11h13bro or c12h16o or c12h13f3o or c12h15bro)

15 L14

21 C11H14O

1 C13H17BRO

1 C11H13BRO

21 C12H16O

1 C12H13F3O

0 C12H15BRO

L15 0 L14 AND (C11H14O OR C13H17BRO OR C11H13BRO OR C12H16O OR C12H13F3O OR C12H15BRO)

=> d his

(FILE 'HOME' ENTERED AT 20:48:46 ON 19 APR 2006)

FILE 'REGISTRY' ENTERED AT 20:49:31 ON 19 APR 2006

L1 STRUCTURE UPLOADED

L2 QUE L1

L3 0 S L2

FILE 'STNGUIDE' ENTERED AT 20:50:50 ON 19 APR 2006

FILE 'REGISTRY' ENTERED AT 20:52:48 ON 19 APR 2006

L4 SCREEN 1992 OR 2016 OR 2021 OR 2026 OR 1840

L5 STRUCTURE UPLOADED

L6 QUE L5 NOT L4

L7 1 S L6

L8 275 S L6 FUL

FILE 'STNGUIDE' ENTERED AT 20:55:38 ON 19 APR 2006

FILE 'REGISTRY' ENTERED AT 21:04:15 ON 19 APR 2006

L9 STRUCTURE UPLOADED

L10 QUE L9

L11 30 S L10 FULL SUB=L8

10/690,527

FILE 'STNGUIDE' ENTERED AT 21:06:39 ON 19 APR 2006

FILE 'REGISTRY' ENTERED AT 21:08:39 ON 19 APR 2006

L12 STRUCTURE UPLOADED
L13 QUE L12
L14 30 S L13 FULL SUB=L11

FILE 'STNGUIDE' ENTERED AT 21:13:26 ON 19 APR 2006

FILE 'CAPLUS' ENTERED AT 21:28:55 ON 19 APR 2006

L15 0 S L14 AND (C11H14O OR C13H17BRO OR C11H13BRO OR C12H16O OR C12H

=> s l14

L16 15 L14

=> dup rem l16

PROCESSING COMPLETED FOR L16

L17 15 DUP REM L16 (0 DUPLICATES REMOVED)

=> d scan

L17 15 ANSWERS CAPLUS COPYRIGHT 2006 ACS on STN
CC 25-27 (Benzene, Its Derivatives, and Condensed Benzenoid Compounds)
TI Photochemical Wittig reaction of quasi-phosphonium ylides
ST photochem Wittig methoxycarbonylbenzylidene phosphonium ylide;
phenanthrene formation photochem Wittig; allene formation photochem Wittig
cyclohexanone
IT Carbonyl compounds, reactions
RL: RCT (Reactant); RACT (Reactant or reagent)
(photochem. Wittig reaction of, with quasi-phosphonium ylides)
IT Wittig reaction
(photochem., of (methoxycarbonyl)benzylidene phosphonium ylide with
carbonyl compds.)
IT Alkenes, preparation
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, from Wittig reaction of (methoxycarbonyl)benzylidene
quasi-phosphonium ylide with carbonyl compds.)
IT Ylides
RL: RCT (Reactant); RACT (Reactant or reagent)
(quasi-phosphonium, photochem. Wittig reaction of, with carbonyl
compds.)
IT 67-64-1, 2-Propanone, reactions 98-86-2, reactions 100-06-1
100-52-7, Benzaldehyde, reactions 105-07-7 108-94-1, Cyclohexanone,
reactions 122-00-9 123-11-5, reactions 583-60-8 589-92-4
591-24-2 1122-91-4 1443-80-7
RL: RCT (Reactant); RACT (Reactant or reagent)
(photochem. Wittig reaction of, with (methoxycarbonyl)benzylidene
phosphonium ylide)
IT 139616-15-2
RL: RCT (Reactant); RACT (Reactant or reagent)
(photochem. Wittig reaction of, with carbonyl compds.)
IT 33131-36-1P 36854-27-0P 36854-29-2P 41366-87-4P 42443-24-3P
42443-37-8P 42443-38-9P 55042-80-3P 74457-44-6P 76527-29-2P
101451-63-2P 139616-16-3P 139616-17-4P 139616-18-5P 139616-19-6P
139616-20-9P 139616-21-0P 139616-22-1P 139616-23-2P 139616-24-3P
139616-25-4P 139616-26-5P 139616-27-6P 139616-28-7P
139616-29-8P 139616-30-1P 139616-31-2P 139616-32-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> d 1-15 ti

- L17 ANSWER 1 OF 15 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Aromatic vinyl ether polymerizable compounds
- L17 ANSWER 2 OF 15 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Remarkable stereocontrol in the synthesis of 1,2,3,5-tetrasubstituted tetrahydropyrans via an asymmetric heterocycloaddition of a ketone-derived enol ether
- L17 ANSWER 3 OF 15 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Intramolecular Wittig reactions with esters utilizing triphenylphosphine and dimethyl acetylenedicarboxylate
- L17 ANSWER 4 OF 15 CAPLUS COPYRIGHT 2006 ACS on STN
 TI A laser flash photolysis study of p-tolyl(trifluoromethyl)carbene
- L17 ANSWER 5 OF 15 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Synthesis of 2-Acylvinyl Ethers by Reaction of Chromium (Fischer) Carbene Complexes and Stabilized Sulfur Ylides
- L17 ANSWER 6 OF 15 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Grignard additions to α,β -unsaturated dioxolanones: preparation of chiral allylic alcohols and protected α -hydroxy aldehydes
- L17 ANSWER 7 OF 15 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Efficient mercury-free preparation of vinyl and isopropenyl ethers of chiral secondary alcohols and α -hydroxy esters
- L17 ANSWER 8 OF 15 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Mechanism of the rearrangement of 2-(vinyloxy)alkyl to 4-ketobutyl radicals
- L17 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2006 ACS on STN
 TI The Synthesis of Cyclic Enol Ethers via Molybdenum Alkylidene-Catalyzed Ring-Closing Metathesis
- L17 ANSWER 10 OF 15 CAPLUS COPYRIGHT 2006 ACS on STN
 TI A new carbon-carbon bond-forming free radical rearrangement
- L17 ANSWER 11 OF 15 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Photochemical Wittig reaction of quasi-phosponium ylides
- L17 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2006 ACS on STN
 TI The mechanism of rearrangement of chorismic acid and related compounds
- L17 ANSWER 13 OF 15 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Reactions of dimethyl acetylenedicarboxylate: part XI - reaction with 5-chloro-, 3,5-dichloro- and 3,5-dibromosalicylaldehydes and benzoin
- L17 ANSWER 14 OF 15 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Cyclic acetals of hydroxycarbonyl compounds. XII. Interaction of the methyl lactolides of methylbenzoylcarbinol and ethylbenzoylcarbinol with sodioacetoacetic ester
- L17 ANSWER 15 OF 15 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Reaction of methyl lactolides of methylbenzoylcarbinol and ethylbenzoylcarbinol with sodium acetoacetic ester

=> d 1, 4-10 bib fhitr

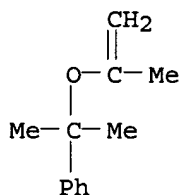
10/690,527

DN 140:358196
TI Aromatic vinyl ether polymerizable compounds
IN Iwahama, Takahiro; Nakano, Tatsuya
PA Daicel Chemical Industries, Ltd., Japan
SO Eur. Pat. Appl., 15 pp.
CODEN: EPXXDW

DT Patent
LA English

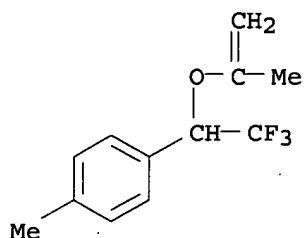
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1413568	A2	20040428	EP 2003-24369	20031024
	EP 1413568	A3	20041117		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	JP 2004161742	A2	20040610	JP 2003-280504	20030725
	US 2004181098	A1	20040916	US 2003-690527	20031023
PRAI	JP 2002-311613	A	20021025		
	JP 2003-280504	A	20030725		
OS	MARPAT 140:358196				
IT	681423-96-1P				
	RL: IMF (Industrial manufacture); PREP (Preparation) (manufacture of aromatic vinyl ether compds.)				
RN	681423-96-1	CAPLUS			
CN	Benzene, [1-methyl-1-[(1-methylethenyl)oxy]ethyl]- (9CI) (CA INDEX NAME)				



L17 ANSWER 4 OF 15 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1998:242591 CAPLUS
DN 129:40837
TI A laser flash photolysis study of p-tolyl(trifluoromethyl)carbene
AU Admasu, Atnaf; Gudmundsdottir, Anna D.; Platz, Matthew S.; Watt, David S.;
Kwiatkowski, Stephan; Crocker, Peter J.
CS Department of Chemistry, The Ohio State University, Columbus, OH, 43210,
USA
SO Journal of the Chemical Society, Perkin Transactions 2: Physical Organic
Chemistry (1998), (5), 1093-1100
CODEN: JCPKBH; ISSN: 0300-9580
PB Royal Society of Chemistry
DT Journal
LA English
IT 208184-29-6P
RL: SPN (Synthetic preparation); PREP (Preparation)
(laser flash photolysis study of p-tolyl(trifluoromethyl)carbene)
RN 208184-29-6 CAPLUS
CN Benzene, 1-methyl-4-[2,2,2-trifluoro-1-[(1-methylethenyl)oxy]ethyl]- (9CI)
(CA INDEX NAME)

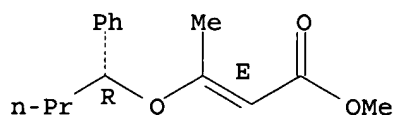
10/690,527



RE.CNT 63 THERE ARE 63 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 5 OF 15 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1996:580222 CAPLUS
DN 125:300171
TI Synthesis of 2-Acylvinyl Ethers by Reaction of Chromium (Fischer) Carbene Complexes and Stabilized Sulfur Ylides
AU Alcaide, Benito; Casarrubios, Luis; Dominguez, Gema; Sierra, Miguel A.
CS Facultad de Quimica, Universidad Complutense, Madrid, 28040, Spain
SO Organometallics (1996), 15(21), 4612-4617
CODEN: ORGND7; ISSN: 0276-7333
PB American Chemical Society
DT Journal
LA English
OS CASREACT 125:300171
IT 182617-92-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 182617-92-1 CAPLUS
CN 2-Butenoic acid, 3-(1-phenylbutoxy)-, methyl ester, [R-(E)]- (9CI) (CA INDEX NAME)

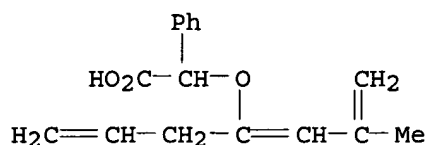
Absolute stereochemistry. Rotation (+).
Double bond geometry as shown.



L17 ANSWER 6 OF 15 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1996:151881 CAPLUS
DN 124:289309
TI Grignard additions to α,β -unsaturated dioxolanones: preparation of chiral allylic alcohols and protected α -hydroxy aldehydes
AU Heckmann, B.; Mioskowski, C.; Bhatt, Rama K.; Falck, J. R.
CS Faculte Pharmacie, Univ. Louis Pasteur, Illkirch, F-67401, Fr.
SO Tetrahedron Letters (1996), 37(9), 1421-4
CODEN: TELEAY; ISSN: 0040-4039
PB Elsevier
DT Journal
LA English
OS CASREACT 124:289309
IT 175695-37-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(regioselective, stereoselective addition of Grignard reagents to a mandelate-derived dioxolane)
RN 175695-37-1 CAPLUS

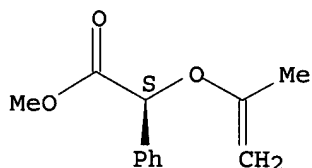
10/690,527

CN Benzeneacetic acid, α -[[3-methyl-1-(2-propenyl)-1,3-butadienyl]oxy]-
(9CI) (CA INDEX NAME)



L17 ANSWER 7 OF 15 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1995:439893 CAPLUS
DN 123:227343
TI Efficient mercury-free preparation of vinyl and isopropenyl ethers of
chiral secondary alcohols and α -hydroxy esters
AU Dujardin, Gilles; Rossignol, Sandrine; Brown, Eric
CS Laboratoire de Synthèse Organique, Faculté des Sciences, Le Mans, F-72017,
Fr.
SO Tetrahedron Letters (1995), 36(10), 1653-6
CODEN: TELEAY; ISSN: 0040-4039
PB Elsevier
DT Journal
LA English
OS CASREACT 123:227343
IT 167702-81-0P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of vinyl and isopropenyl ethers of chiral secondary alcs. and
hydroxy esters)
RN 167702-81-0 CAPLUS
CN Benzeneacetic acid, α -[(1-methylethenyl)oxy]-, methyl ester, (S)-
(9CI) (CA INDEX NAME)

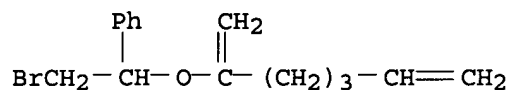
Absolute stereochemistry.



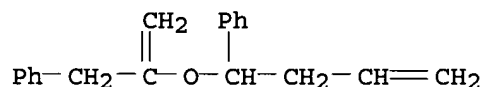
L17 ANSWER 8 OF 15 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1995:195893 CAPLUS
DN 122:55439
TI Mechanism of the rearrangement of 2-(vinylloxy)alkyl to 4-ketobutyl
radicals
AU Crich, David; Yao, Qingwei
CS Department Chemistry, University Illinois, Chicago, IL, 60607-7061, USA
SO Tetrahedron (1994), 50(43), 12305-12
CODEN: TETRAB; ISSN: 0040-4020
PB Elsevier
DT Journal
LA English
IT 159764-47-3P
RL: PEP (Physical, engineering or chemical process); RCT (Reactant); SPN
(Synthetic preparation); PREP (Preparation); PROC (Process); RACT
(Reactant or reagent)
(formation and fragmentation of tetrahydrofuran radicals)
RN 159764-47-3 CAPLUS

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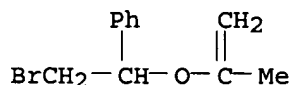
CN Benzene, [2-bromo-1-[(1-methylene-5-hexenyl)oxy]ethyl]- (9CI) (CA INDEX NAME)



L17 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1994:655549 CAPLUS
DN 121:255549
TI The Synthesis of Cyclic Enol Ethers via Molybdenum Alkylidene-Catalyzed Ring-Closing Metathesis
AU Fujimura, Osamu; Fu, Gregory C.; Grubbs, Robert H.
CS Arnold and Mabel Beckman Laboratory for Chemical Synthesis, California Institute of Technology, Pasadena, CA, 91125, USA
SO Journal of Organic Chemistry (1994), 59(15), 4029-31
CODEN: JOCEAH; ISSN: 0022-3263
DT Journal
LA English
OS CASREACT 121:255549
IT 158744-56-0P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and molybdenum alkylidene catalyzed ring closure of)
RN 158744-56-0 CAPLUS
CN Benzene, [2-[(1-phenyl-3-butenyl)oxy]-2-propenyl]- (9CI) (CA INDEX NAME)



L17 ANSWER 10 OF 15 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1994:217118 CAPLUS
DN 120:217118
TI A new carbon-carbon bond-forming free radical rearrangement
AU Crich, David; Yao, Qingwei
CS Dep. Chem., Univ. Illinois, Chicago, IL, 60607-7061, USA
SO Journal of the Chemical Society, Chemical Communications (1993), (16), 1265-7
CODEN: JCCCAT; ISSN: 0022-4936
DT Journal
LA English
OS CASREACT 120:217118
IT 153389-08-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and radical rearrangement of)
RN 153389-08-3 CAPLUS
CN Benzene, [2-bromo-1-[(1-methylethenyl)oxy]ethyl]- (9CI) (CA INDEX NAME)



10/690,527

=> file stnguide
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
49.33	305.96

FULL ESTIMATED COST

FILE 'STNGUIDE' ENTERED AT 21:34:47 ON 19 APR 2006
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AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Apr 14, 2006 (20060414/UP).

=> d his

(FILE 'HOME' ENTERED AT 20:48:46 ON 19 APR 2006)

FILE 'REGISTRY' ENTERED AT 20:49:31 ON 19 APR 2006

L1 STRUCTURE UPLOADED
L2 QUE L1
L3 0 S L2

FILE 'STNGUIDE' ENTERED AT 20:50:50 ON 19 APR 2006

FILE 'REGISTRY' ENTERED AT 20:52:48 ON 19 APR 2006

L4 SCREEN 1992 OR 2016 OR 2021 OR 2026 OR 1840
L5 STRUCTURE UPLOADED
L6 QUE L5 NOT L4
L7 1 S L6
L8 275 S L6 FUL

FILE 'STNGUIDE' ENTERED AT 20:55:38 ON 19 APR 2006

FILE 'REGISTRY' ENTERED AT 21:04:15 ON 19 APR 2006

L9 STRUCTURE UPLOADED
L10 QUE L9
L11 30 S L10 FULL SUB=L8

FILE 'STNGUIDE' ENTERED AT 21:06:39 ON 19 APR 2006

FILE 'REGISTRY' ENTERED AT 21:08:39 ON 19 APR 2006

L12 STRUCTURE UPLOADED
L13 QUE L12
L14 30 S L13 FULL SUB=L11

FILE 'STNGUIDE' ENTERED AT 21:13:26 ON 19 APR 2006

FILE 'CAPLUS' ENTERED AT 21:28:55 ON 19 APR 2006

L15 0 S L14 AND (C11H14O OR C13H17BRO OR C11H13BRO OR C12H16O OR C12H
L16 15 S L14
L17 15 DUP REM L16 (0 DUPLICATES REMOVED)

FILE 'STNGUIDE' ENTERED AT 21:34:47 ON 19 APR 2006

=> d l17 2,3,11-15 bib fhitr

YOU HAVE REQUESTED DATA FROM FILE 'CAPLUS' - CONTINUE? (Y)/N:y

L17 ANSWER 2 OF 15 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2003:128684 CAPLUS
DN 139:36412
TI Remarkable stereocontrol in the synthesis of 1,2,3,5-tetrasubstituted

10/690,527

tetrahydropyrans via an asymmetric heterocycloaddition of a ketone-derived enol ether

AU Gong, Junfang; Bonfand, Eric; Brown, Eric; Dujardin, Gilles; Michelet, Veronique; Genet, Jean-Pierre

CS UMR 7573, Laboratoire de Synthèse Selective Organique et Produits Naturels, E.N.S.C.P., Paris, F-75231, Fr.

SO Tetrahedron Letters (2003), 44(10), 2141-2144
CODEN: TELEAY; ISSN: 0040-4039

PB Elsevier Science Ltd.

DT Journal

LA English

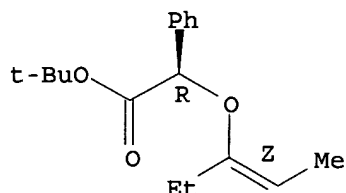
OS CASREACT 139:36412

IT **543741-94-2P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(stereoselective preparation of (Z)-O-pentenylmandelates via Takai reaction of O-propanoylmandelate with dibromoethane in the preparation of tetrasubstituted tetrahydropyrans)

RN 543741-94-2 CAPLUS

CN Benzeneacetic acid, α -[[[(1Z)-1-ethyl-1-propenyl]oxy]-, 1,1-dimethylethyl ester, (α R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.



RE.CNT 55 THERE ARE 55 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 3 OF 15 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2001:925532 CAPLUS

DN 136:369565

TI Intramolecular Wittig reactions with esters utilizing triphenylphosphine and dimethyl acetylenedicarboxylate

AU Evans, Lyndsay A.; Griffiths, Kimberley E.; Guthmann, Holger; Murphy, Patrick J.

CS Department of Chemistry, University of Wales, Gwynedd, Bangor, LL57 2UW, UK

SO Tetrahedron Letters (2002), 43(2), 299-301
CODEN: TELEAY; ISSN: 0040-4039

PB Elsevier Science Ltd.

DT Journal

LA English

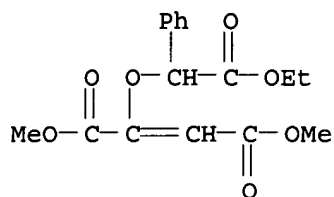
OS CASREACT 136:369565

IT **425430-52-0P**
RL: BYP (Byproduct); PREP (Preparation)
(intramol. Wittig reactions with esters utilizing triphenylphosphine and di-Me acetylenedicarboxylate)

RN 425430-52-0 CAPLUS

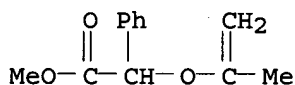
CN 2-Butenedioic acid, 2-(2-ethoxy-2-oxo-1-phenylethoxy)-, dimethyl ester (9CI) (CA INDEX NAME)

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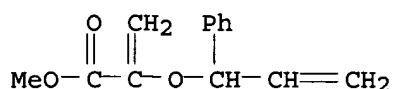
RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 11 OF 15 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1992:151285 CAPLUS
DN 116:151285
TI Photochemical Wittig reaction of quasi-phosphonium ylides
AU Tomioka, Hideo; Ichikawa, Naoki; Murata, Hideki
CS Fac. Eng., Mie Univ., Tsu, 514, Japan
SO Journal of the Chemical Society, Chemical Communications (1992), (2),
193-5
CODEN: JCCCAT; ISSN: 0022-4936
DT Journal
LA English
OS CASREACT 116:151285
IT 139616-27-6P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 139616-27-6 CAPLUS
CN Benzeneacetic acid, α -[(1-methylethenyl)oxy]-, methyl ester (9CI)
(CA INDEX NAME)



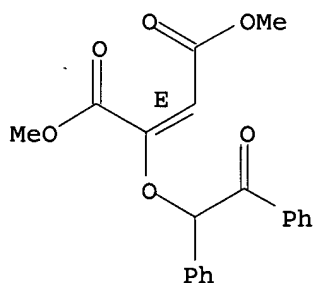
L17 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1987:119039 CAPLUS
DN 106:119039
TI The mechanism of rearrangement of chorismic acid and related compounds
AU Gajewski, Joseph J.; Jurayj, Jurjus; Kimbrough, Doris R.; Gande, Matthew
E.; Ganem, Bruce; Carpenter, Barry K.
CS Dep. Chem., Indiana Univ., Bloomington, IN, 47405, USA
SO Journal of the American Chemical Society (1987), 109(4), 1170-86
CODEN: JACSAT; ISSN: 0002-7863
DT Journal
LA English
OS CASREACT 106:119039
IT 106093-17-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(preparation and Claisen rearrangement of, kinetics of)
RN 106093-17-8 CAPLUS
CN 2-Propenoic acid, 2-[(1-phenyl-2-propenyl)oxy]-, methyl ester (9CI) (CA
INDEX NAME)

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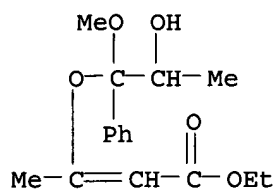
L17 ANSWER 13 OF 15 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1977:601248 CAPLUS
DN 87:201248
TI Reactions of dimethyl acetylenedicarboxylate: part XI - reaction with
5-chloro-, 3,5-dichloro- and 3,5-dibromosalicylaldehydes and benzoin
AU Gupta, R. K.; George, M. V.
CS Dep. Chem., Indian Inst. Technol., Kanpur, India
SO Indian Journal of Chemistry, Section B: Organic Chemistry Including
Medicinal Chemistry (1977), 15B(3), 223-9
CODEN: IJSBDB; ISSN: 0376-4699
DT Journal
LA English
OS CASREACT 87:201248
IT 64657-52-9P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 64657-52-9 CAPLUS
CN 2-Butenedioic acid, 2-(2-oxo-1,2-diphenylethoxy)-, dimethyl ester, (E)-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.

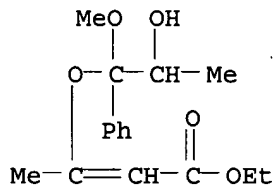


L17 ANSWER 14 OF 15 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1963:454513 CAPLUS
DN 59:54513
OREF 59:9864h,9865a-c
TI Cyclic acetals of hydroxycarbonyl compounds. XII. Interaction of the
methyl lactolides of methylbenzoylcarbinol and ethylbenzoylcarbinol with
sodioacetoacetic ester
AU Temnikova, T. I.; Ershov, B. A.
CS State Univ., Leningrad
SO Zhurnal Obshchei Khimii (1963), 33(6), 1738-43
CODEN: ZOKHA4; ISSN: 0044-460X
DT Journal
LA Unavailable
IT 94430-93-0, Crotonic acid, 3-[[α-(1-hydroxyethyl)-α-
methoxybenzyl]oxy]-, ethyl ester
(preparation of)
RN 94430-93-0 CAPLUS
CN Crotonic acid, 3-[[α-(1-hydroxyethyl)-α-methoxybenzyl]oxy]-,
ethyl ester (7CI) (CA INDEX NAME)

10/690,527



L17 ANSWER 15 OF 15 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1962:475613 CAPLUS
DN 57:75613
OREF 57:14981c-e
TI Reaction of methyl lactolides of methylbenzoylcarbinol and
ethylbenzoylcarbinol with sodium acetoacetic ester
AU Temnikova, T. I.; Ershov, B. A.
CS State Univ., Leningrad
SO Zhurnal Obshchei Khimii (1962), 32, 661-2
CODEN: ZOKHA4; ISSN: 0044-460X
DT Journal
LA Unavailable
OS CASREACT 57:75613
IT 94430-93-0, Crotonic acid, 3-[[α -(1-hydroxyethyl)- α -
methoxybenzyl]oxy]-, ethyl ester
(preparation of)
RN 94430-93-0 CAPLUS
CN Crotonic acid, 3-[[α -(1-hydroxyethyl)- α -methoxybenzyl]oxy]-,
ethyl ester (7CI) (CA INDEX NAME)



=> file stnguide
COST IN U.S. DOLLARS
FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
0.12	331.47

FILE 'STNGUIDE' ENTERED AT 21:39:12 ON 19 APR 2006
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FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Apr 14, 2006 (20060414/UP).

=> d his

(FILE 'HOME' ENTERED AT 20:48:46 ON 19 APR 2006)

FILE 'REGISTRY' ENTERED AT 20:49:31 ON 19 APR 2006

L1 STRUCTURE UPLOADED
L2 QUE L1
L3 0 S L2

10/690,527

FILE 'STNGUIDE' ENTERED AT 20:50:50 ON 19 APR 2006

FILE 'REGISTRY' ENTERED AT 20:52:48 ON 19 APR 2006

L4 SCREEN 1992 OR 2016 OR 2021 OR 2026 OR 1840
L5 STRUCTURE UPLOADED
L6 QUE L5 NOT L4
L7 1 S L6
L8 275 S L6 FUL

FILE 'STNGUIDE' ENTERED AT 20:55:38 ON 19 APR 2006

FILE 'REGISTRY' ENTERED AT 21:04:15 ON 19 APR 2006

L9 STRUCTURE UPLOADED
L10 QUE L9
L11 30 S L10 FULL SUB=L8

FILE 'STNGUIDE' ENTERED AT 21:06:39 ON 19 APR 2006

FILE 'REGISTRY' ENTERED AT 21:08:39 ON 19 APR 2006

L12 STRUCTURE UPLOADED
L13 QUE L12
L14 30 S L13 FULL SUB=L11

FILE 'STNGUIDE' ENTERED AT 21:13:26 ON 19 APR 2006

FILE 'CAPLUS' ENTERED AT 21:28:55 ON 19 APR 2006

L15 0 S L14 AND (C11H14O OR C13H17BRO OR C11H13BRO OR C12H16O OR C12H
L16 15 S L14
L17 15 DUP REM L16 (0 DUPLICATES REMOVED)

FILE 'STNGUIDE' ENTERED AT 21:34:47 ON 19 APR 2006

FILE 'CAPLUS' ENTERED AT 21:38:15 ON 19 APR 2006

FILE 'STNGUIDE' ENTERED AT 21:38:17 ON 19 APR 2006

FILE 'STNGUIDE' ENTERED AT 21:39:12 ON 19 APR 2006

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.66

332.13

FILE 'REGISTRY' ENTERED AT 21:45:52 ON 19 APR 2006

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Property values tagged with IC are from the ZIC/VINITI data file
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STRUCTURE FILE UPDATES: 18 APR 2006 HIGHEST RN 881002-15-9

DICTIONARY FILE UPDATES: 18 APR 2006 HIGHEST RN 881002-15-9

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TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

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*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added,   *
* effective March 20, 2005. A new display format, IDERL, is now    *
* available and contains the CA role and document type information.  *
*
*****
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Structure search iteration limits have been increased. See HELP SLIMITS for details.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

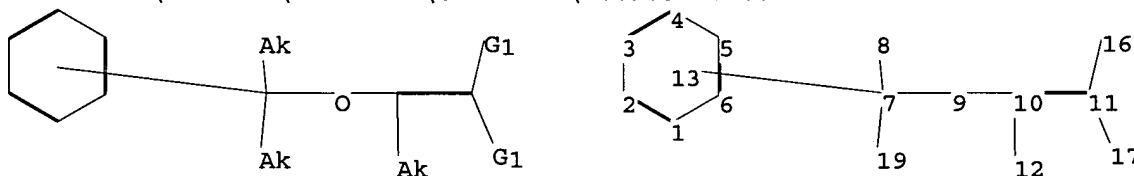
<http://www.cas.org/ONLINE/UG/regprops.html>

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=>

Uploading C:\Documents and Settings\rkeys\My Documents\STNEXP4\TEMPLATE\STANDARD\10690527c.str



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chain nodes :
7 8 9 10 11 12 16 17 19
ring nodes :
1 2 3 4 5 6
chain bonds :
7-8 7-9 7-19 9-10 10-11 10-12 11-16 11-17
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6
exact/norm bonds :
7-8 7-9 7-19 9-10 10-12 11-16 11-17
exact bonds :
10-11
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6
isolated ring systems :
containing 1 :
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G1:Ak,H

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 12:CLASS 13:CLASS 16:CLASS 17:CLASS 19:CLASS

L18 STRUCTURE UPLOADED

10/690,527

=> que L18

L19 QUE L18

=> s l19 sub=18 full

FULL SUBSET SEARCH INITIATED 21:46:37 FILE 'REGISTRY'

FULL SUBSET SCREEN SEARCH COMPLETED - 275 TO ITERATE

100.0% PROCESSED 275 ITERATIONS

1 ANSWERS

SEARCH TIME: 00.00.01

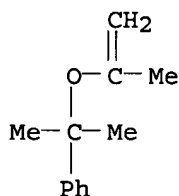
L20 1 SEA SUB=L8 SSS FUL L18

=> d scan

L20 1 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN Benzene, [1-methyl-1-[(1-methylethenyl)oxy]ethyl]- (9CI)

MF C12 H16 O



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

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L20 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2006 ACS on STN

RN 681423-96-1 REGISTRY

ED Entered STN: 12 May 2004

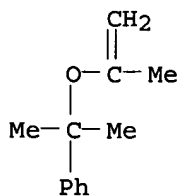
CN Benzene, [1-methyl-1-[(1-methylethenyl)oxy]ethyl]- (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C12 H16 O

SR CA

LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

10/690,527

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

42.18

374.31

FILE 'CAPLUS' ENTERED AT 21:47:06 ON 19 APR 2006

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FILE LAST UPDATED: 18 Apr 2006 (20060418/ED)

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L21 1 L20

=> d bib fhitr

L21 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:348008 CAPLUS

DN 140:358196

TI Aromatic vinyl ether polymerizable compounds

IN Iwahama, Takahiro; Nakano, Tatsuya

PA Daicel Chemical Industries, Ltd., Japan

SO Eur. Pat. Appl., 15 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1413568	A2	20040428	EP 2003-24369	20031024
	EP 1413568	A3	20041117		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	JP 2004161742	A2	20040610	JP 2003-280504	20030725
	US 2004181098	A1	20040916	US 2003-690527	20031023
PRAI	JP 2002-311613	A	20021025		
	JP 2003-280504	A	20030725		

OS MARPAT 140:358196

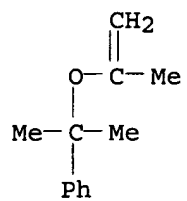
IT 681423-96-1P

RL: IMF (Industrial manufacture); PREP (Preparation)
(manufacture of aromatic vinyl ether compds.)

RN 681423-96-1 CAPLUS

CN Benzene, [1-methyl-1-[(1-methylethenyl)oxy]ethyl]- (9CI) (CA INDEX NAME)

10/690,527



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COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

3.97

378.28

STN INTERNATIONAL LOGOFF AT 21:47:52 ON 19 APR 2006